Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/06/2016 12:33 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123337	-2	4.58	123388	4.71
Blue	F	SSC	125000	123122	-2	2.62	123598	2.54
Blue	E	FITC	22946	22100	-4	2.29	979	9.95
Blue	D	PE	28770	28421	-2	1.95	1021	9.35
Blue	B	PerCP-Cy5-5	51099	50824	-1	3.25	1456	16.73
Blue	A	PE-Cy7	42312	41678	-2	4.85	645	34.72
Red	C	APC	52169	51921	-1	2.89	3002	9.32
Red	A	APC-Cy7	56705	56399	-1	2.90	1166	11.13
Violet	B	V450	14708	14078	-5	3.69	679	10.84
Violet	A	V500	58608	57131	-3	3.42	2534	6.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17347	28.89	601	3	N/A	N/A	Pass
Blue	F	SSC	60932	1.53	533	15	N/A	N/A	Pass
Blue	E	FITC	111	38.37	538	7	0.0224	198	Pass
Blue	D	PE	224	27.74	535	9	0.1777	246	Pass
Blue	B	PerCP-Cy5-5	232	43.56	633	11	0.0103	79	Pass
Blue	A	PE-Cy7	70	118.06	681	10	0.0125	19	Pass
Red	C	APC	350	27.92	596	6	0.0214	127	Pass
Red	A	APC-Cy7	128	40.67	582	6	0.0058	1872	Pass
Violet	B	V450	83	63.09	464	5	0.0401	5081	Pass
Violet	A	V500	186	40.24	493	5	0.0143	6499	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.27	-31.10	0.89
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	15.21	13.27 - 19.91	N/A	N/A	31.50	31.67	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9542

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments